ARRL and TAPR 18th Annual Digital Communications Conference

September 24-26, 1999 • Phoenix, Arizona

http://www.tapr.org/dcc

Information

Mark your calendar and start making plans to attend the year's premier event in digital communications. The 18th Annual ARRL and TAPR Digital Communications Conference will be held **September 24-26, 1999, in Phoenix, Arizona**— just minutes from Phoenix Sky Harbor International Airport.

The ARRL and TAPR Digital Communications Conference is an international forum for radio amateurs in digital communications, networking, and related technologies to meet, publish their work, and present new ideas and techniques for discussion. Presenters and attendees will have the opportunity to exchange ideas and learn about recent hardware and software advances, theories, experimental results, and practical applications. The Digital Communications Conference is not just for the digital expert, but for digitally-oriented amateurs of all levels of experience.

A Conference for the Beginner as well

The conference is not just for the digital expert. As in years past an entire session strand with beginning, intermediate, and advanced presentations on selected topics in digital communications will be offered. Some of the topics will include: APRS, Satellite Communications, TCP/IP, Digital Radio, Spread Spectrum and other introductory topics. Come to the conference and hear these topics presented by the experts!

Symposia, Seminars, and Banquet

Three symposia/seminars will be held which allow those with additional time and interest to make the most of the Conference. For those who may have interest in just one symposium or seminar, registration for the conference is not required to attend these activities. This allows maximum flexibility for those who may want to participate during the Digital Communications Conference, but do not have an entire weekend to devote to the event.

The Third APRS National Symposium will be held on Friday and will be moderated by Steve Dimse, K4HG (the developer of javAPRS). It will likely include many APRS software authors, such as Bob Bruninga, WB4APR (the father of APRS), Keith Sproul, WU2Z, Mark Sproul, KB2ICI (the developers of MacAPRS and WinAPRS), Brent Hildebrand, KH2Z (the developer of APRSPLUS), Mike Musick, N0QBF (developer of PocketAPRS), and other nationally-known APRS leaders. Join this group for the afternoon and evening for in-depth discussions and presentations on the current and future status of APRS. This is a unique opportunity to gain insight into this fast-growing digital aspect of amateur operations that combines computers, packet radio, and GPS (Global Positioning System).

Starting late Friday afternoon, a technical seminar will be conducted by Allen Finne, KB5SQK, on High-Definition Television (HDTV). Allen is currently the chief engineer for Little Rock's FOX 16 KLRT as well as for UP 38 KASN. Allen will be discussing DTV (Digital Television) Implementation by Broadcasters during this two hour talk.

Co-Hosts

The 1999 ARRL and TAPR Digital Communications Conference will be co-hosted by the Motorola Amateur Radio Club of Arizona (MARCA). MARCA is one of eight Motorola radio clubs located around the world. MARCA has been the primary driver of APRS in Arizona, maintaining two WIDE digipeaters that cover the Phoenix metropolitan are and working with other clubs to expand the network into Tucson and other parts of the state. MARCA recently took over the sites of the Arizona Network Intertie Group to continue support for the packet network in Arizona. For more information MARCA please contact David McCarthy, KC7AYX, at rxyh90@email.sps.mot.com

PRUG (Packet Radio User Group of Japan) will be the International co-host for a second year running. PRUG will be hosting an informal social Friday evening before their seminar and symposium is held. Visit http://www.prug.or.jp for more information about the organization.

Call for Papers

Anyone interested in digital communications is invited to submit a paper for publication in the Conference Proceedings. Presentation at the Conference is not required for publication. **Papers are due by August 9th, 1999**, and should be submitted to Maty Weinberg, ARRL, 225 Main Street, Newington, CT 06111 or via the Internet to lweinberg@arrl.org. Information on paper submission guidelines are available on-line (http://www.tapr.org/dcc).

On Saturday night the DCC Banquet will be held. This year the conference is proud to have Geoff Baehr, N6LXA, Sun Microsystems Chief Network Officer at the banquet to speak. Sun Microsystems has been doing some very exciting things in networking over the years and the talk should be very interesting one. After the banquet there will be time for special interest group gatherings.

The Sunday morning seminar will be focused on PIC development, design, and programming. This five-and-a-half hour seminar will focus on the things you need to know now in order to understand and begin to participate in PIC development. PIC processors are becoming very important in various project designs and implementations. This seminar will by presented by the TAPR PIC Development team.

Hotel

Conference presentations, meetings, and seminars will be held at the Holiday Inn Select Airport. Special DCC rooms rates are **$69/single** and $79/double per night. When making reservations with the hotel, be sure to indicate you are attending the ARRL and TAPR DCC in order to get the discount. It is highly recommended that you book your room prior to arriving. **A block of 75 rooms is reserved until August 22, 1999.** After the 75 rooms are booked, rooms will only be available in nearby hotels, so be sure to book your rooms early! The hotel provides transportation to and from the Phoenix Sky Harbor International Airport. Please contact the hotel to arrange specific transportation needs.

Holiday Inn Select Airport (conference hotel)
4300 E Washington
Phoenix, AZ 85034
Phone 602-273-7778, fax 602-286-1109

What you can expect in 1999!

* A full day of papers and breakouts for the beginner to the advanced
* Three seminars/symposiums
* The fourth annual Student Paper session.
* A banquet with Special Guest Speaker Geoff Baehr, N6LXA
* Informal get-togethers throughout the weekend.
* TAPR Membership Meeting
* An event at which the most important new developments in amateur digital communications are announced.
* Digital 'movers and shakers' from all over the world in attendance.

Conclusion

There are few activities where your participation can be **so much fun and important!** What a great way to share and renew your enthusiasm for digital amateur radio! A get-together with colleagues and bringing each other up to date on your latest work -- all this, and more, for an unforgettable weekend of amateur radio and digital communications. We hope to see you at the ARRL and TAPR Digital Communications Conference on September, 24-26, 1999!

Full information on the conference and hotel information can be obtained by contacting Tucson Amateur Packet Radio. Phone: (940) 383-0000. Fax: (940) 566-2544. tapr@tapr.org Web: www.tapr.org

Registration Form

Contact the TAPR office by Phone 940-383-0000, Fax 940-566-2544, or Internet: http://www.tapr.org and tapr@tapr.org to register or for additional information.

- Pre-Registration (before Sept 1st) $42.00 _____
- Registration (after Sept 1) or at door $47.00 _____

Conference Registration includes:
Conference Proceedings, Sessions, Meetings, and Lunch on Saturday.

- Saturday Evening Dinner $22.00 _____
  (Limited Space)
  Dinner: Geoff Baehr, N6LXA Speaker, Prize Drawing

Symposia/Seminars

- 3rd Annual APRS National Symposium
  Friday, 1pm - 7pm. $25.00 _____
- Technical Seminar on HDTV
  Friday, 5pm - 7pm. $15.00 _____
  Conducted by Allen Finne, KB5SQK
- Sunday Seminar
  PIC Design, Development, and Programming
  Conducted by the TAPR PIC Development Team
  Sunday, 8:30am - 2pm. $20.00 _____

TOTAL _____

Name / Call: _____

Street Address: _____

City / State / Zip: _____

Country: _____ Phone Number: _____

Internet E-mail: _____

☐ Charge my credit card (check one):
☐ VISA ☐ MasterCard

Acct. # _____

Expiration Date: _____

Signature on card: _____

Mail completed registration form with check to:

TAPR
8987-309 E Tanque Verde Rd #337
Tucson, Az 85749-9399

or check http://www.tapr.org/dcc for an on-line registration form.

A registration packet will be mailed in September upon receipt of registration form and payment.